

**LISTING OF THE CLAIMS**

The following listing, if entered, replaces all prior versions of the claims in the present application.

1.     **(Currently Amended)** A method comprising:  
receiving a first multicast routing protocol (MRP) message at a rendezvous point (RP) router, wherein the first MRP message is a request to join a multicast group;  
translating the first MRP message into a second MRP message, wherein the second MRP message is a request to join the multicast group of receivers to which data is being provided by a specific source, and the translating is performed by the rendezvous point (RP) router;  
**the RP router transmitting the second MRP message;**  
**creating a first communication path between the specific source and a receiver after the RP router transmits the second MRP message,**  
**wherein the first communication path does not include the RP router;**  
**and**  
**transmitting data from the specific source to the receiver via the first communication path.**
2.     Cancelled.
3.     Cancelled.
4.     (Previously Presented) The method of claim 1 wherein the RP router is contained in a first network that operates according to a first multicast routing protocol, wherein the specific source is contained in a second network that operates according to a second multicast routing operating protocol, and wherein the first and second multicast routing operating protocols are different from each other.

5. **(Currently Amended)** The method of claim 1 wherein ~~the~~ a first network contains a plurality of routers including the RP router, wherein ~~the~~ a second network contains a plurality of routers, and wherein the RP router is positioned within the first network such that data transmitted by the RP router to the second network does not pass through another router of the first network.
6. **(Cancelled)**
7. **(Currently Amended)** The method of claim ~~[[6]]~~ 1 further comprising:  
creating a second communication path between the specific source and the receiver after data is transmitted from the specific source to the receiver via the first communication path, wherein the RP router is not included in the second communication path;  
transmitting more data from the specific source to the receiver via the second communication path.
8. **(Original)** The method of claim 1 wherein translating comprises:  
inputting first data into a look-up table (LUT), wherein the first data comprises an identity of the multicast group of receivers;  
the LUT outputting second data in response to inputting first data, wherein the second data comprises an identity of the specific source.
9. **(Original)** The method of claim 8 wherein the LUT can be stored in memory of the device that translates the first MRP message into the second MRP message or stored in remote memory accessible using a communication protocol.
10. **(Previously Presented)** The method of claim 1 wherein the router is contained in a sparse mode (SM) communication network and wherein the second MRP message is configured for subsequent transmission to a source specific mode (SSM) communication network.

11. **(Currently Amended)** An apparatus comprising:  
 a processor;  
 a first memory coupled to the processor, wherein the first memory stores  
     instructions executable by the processor;  
 wherein the processor implements a method in response to executing the  
     instructions, the method comprising:  
     translating a first MRP message which has been received by a rendezvous  
         point (RP) router into a second MRP message, wherein  
             the first MRP message is a request to join a multicast  
             group of receivers,  
             ~~wherein~~ the second MRP message is a request to join the  
             multicast group of receivers to which data is being provided by a  
             specific source, and  
             ~~wherein~~ the translating is performed by the RP router,  
     transmitting the second MRP message, wherein the transmitting is  
performed by the RP router;  
a first circuit which creates a first communication path between the specific  
source and a receiver after the RP router transmits the second MRP  
message, wherein the first communication path does not include the  
RP router; and  
a second circuit which transmits data from the specific source to the receiver  
via the first communication path.

12. **(Currently Amended)** An apparatus comprising:  
 means for receiving a first multicast routing protocol (MRP) message by a  
     rendezvous point (RP) router, wherein the first MRP message is a request  
     to join a multicast group of receivers;  
 means for translating the first MRP message into a second MRP message,  
     wherein  
     the second MRP message is a request to join the multicast group of  
     receivers to which data is being provided by a specific source, and

the translating is done by the RP router;

means for creating a first communication path between the specific source and a receiver after the RP router transmits the second MRP message, wherein the first communication path does not include the RP router; and  
means for transmitting data from the specific source to the receiver via the first communication path.

13. (Currently Amended) ~~A memory medium~~ Computer readable storage media storing instructions ~~readable and executable by a rendezvous point (RP) router comprising a processor~~, wherein ~~the router performs a method is performed~~ in response to executing the instructions, the method comprising:

a rendezvous point (RP) router translating a first MRP message into a second MRP message, wherein the first MRP message is a request to join a multicast group of receivers, and wherein the second MRP message is a request to join the multicast group of receivers to which data is being provided by a specific source;

the RP router transmitting the second MRP message;  
creating a first communication path between the specific source and a receiver after the RP router transmits the second MRP message,  
wherein the first communication path does not include the RP router;  
transmitting data from the specific source to the receiver via the first communication path.

14. Cancelled.

15. (Previously Presented) The memory medium of claim 13 wherein the RP router is contained in a first network that operates according to a first multicast routing protocol, wherein the specific source is contained in a second network that operates according to a second multicast routing operating protocol, and wherein

multicast routing operating protocol, and wherein the first and second multicast routing operating protocols are different from each other.

16. **(Currently Amended)** The ~~memory-medium~~ of claim 13 wherein ~~the~~ a first network contains a plurality of routers including the RP router, wherein ~~the~~ a second network contains a plurality of routers, and wherein the RP router is positioned within the first network such that data transmitted by RP router to the second network does not pass through another router of the first network.

17. **(Cancelled)**

18. **(Currently Amended)** The ~~memory-medium~~ of claim ~~[[17]]~~ 13 wherein the method further comprises:

creating a second communication path between the specific source and the receiver after data is transmitted from the specific source to the receiver via the first communication path, wherein the RP router is not included in the second communication path;  
transmitting more data from the specific source to the receiver via the second communication path.

19. **(Currently Amended)** The ~~memory-medium~~ of claim 13 wherein translating comprises:  
inputting first data into a look-up table (LUT), wherein the first data comprises an identity of the multicast group of receivers;  
the LUT outputting second data in response to inputting first data, wherein the second data comprises an identity of the specific source.

20. **(Currently Amended)** The ~~memory-medium~~ of claim 13 wherein the router is contained in a sparse mode (SM) communication network and wherein the second MRP message is configured for subsequent transmission to a source specific mode (SSM) communication network.